

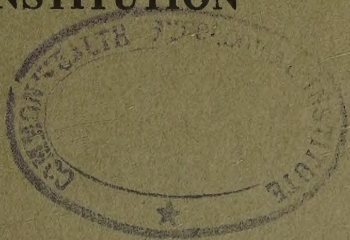
J. E. Hopkins

BRITISH STANDARD 1831 : 1957

[UDC 632.95 : 615.777]

**Recommended
Common Names for
Pesticides**

BRITISH STANDARDS INSTITUTION



BRITISH STANDARD
RECOMMENDED COMMON NAMES
FOR PESTICIDES

B.S. 1831 : 1957

Price 7/6 net

BRITISH STANDARDS INSTITUTION

INCORPORATED BY ROYAL CHARTER

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THIS BRITISH STANDARD, having been approved by the Pest Control Products Industry Standards Committee and endorsed by the Chairman of the Chemical Divisional Council, was published under the authority of the General Council on 30th August, 1957.

Part 1, first published April, 1952.

Part 2, first published November, 1953.

First revision, August, 1957.

In order to keep abreast of progress in the industries concerned, British Standards are subject to periodical review. Suggestions for improvements will be recorded and in due course brought to the notice of the committees charged with the revision of the standards to which they refer.

A complete list of British Standards, numbering over 2500, indexed and cross-indexed for reference, together with an abstract of each standard, will be found in the Institution's Yearbook, price 15s.

British Standards are revised, when necessary, by the issue either of amendment slips or of revised editions. It is important that users of British Standards should ascertain that they are in possession of the latest amendments or editions.

The following B.S.I. references relate to the work on this standard:—
Committee reference PCC/1
Drafts for comment CV(PCC) 6625 and CW(PCC) 7615

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CO-OPERATING ORGANIZATIONS

The Pest Control Products Industry Standards Committee, under whose supervision this British Standard was prepared, consists of representatives from the following industrial organizations :—

Association of British Chemical Manufacturers

*Association of British Insecticide Manufacturers

*Association of British Sheep and Cattle Dip Manufacturers

*Industrial Pest Control Association

The industrial organizations marked with an asterisk in the above list, together with the following, were directly represented on the technical committee entrusted with the preparation of this British Standard :—

Agricultural Research Council

Association of Applied Biologists

British Commonwealth of Nations Scientific Liaison Offices

British Pharmacopœia Commission

British Veterinary Association

British Weed Control Council

Chemical Society

Colonial Office

Commonwealth Institute of Entomology

Commonwealth Mycological Institute

Ministry of Agriculture, Fisheries and Food

Society of Chemical Industry

BRITISH STANDARD

RECOMMENDED COMMON NAMES FOR PESTICIDES

FOREWORD

During the last 25 years great advances have been made in the development of chemicals for pest control. In the past 15 years in particular, many new compounds have been marketed on a world-wide scale for use in agriculture, industry, medicine and in veterinary practice. The chemical names of these compounds have been, in many instances, too complicated for common use, and shortened forms and trade names have been devised. As several of these may apply to the same chemical compound, confusion has arisen in commercial descriptions of products and also in the technical literature.

The problem was discussed at the Commonwealth Entomological Conference in 1948, and the recommendations made at the Conference resulted in the appointment of a technical committee of this Institution to prepare a British Standard list of common names for established pesticides, which include insecticides, acaricides, nematocides, fungicides, herbicides and rodenticides.

These names do not conflict with proprietary names, but are intended for common use to assist users in the identification of the active ingredients of pest control products having otherwise cumbersome technical names. It is emphasized that these names are in no way proprietary, but in order to pre-empt as far as possible their availability as common names they have been recorded, though not registered as Trade Marks, by H.M. Patent Office. This protection is restricted to the United Kingdom, however, and B.S. common names may be registered proprietary names in certain other countries. Manufacturers are encouraged to put forward names for consideration by the technical committee.

During the drafting stages, the technical committee has maintained liaison with the Commonwealth countries as well as with the appropriate committee in the United States.

The first chemical name assigned to each compound is in accordance with the principles recommended by The Chemical Society, London. In many cases other chemical names commonly used are also given. Where possible, only the pure active ingredients have had common names assigned to them, and an endeavour has been made to avoid, with a few outstanding exceptions, the use of initials and numbers. These exceptions are made in the cases of compounds which are already so well-known by initials, such as DDT and BHC, that another name would only increase the confusion.

This British Standard correlates the recommended common names with the chemical names and the formulae. Both kinds of name are also indexed for convenient reference. The index may afford guidance on the preferred alphabetical arrangement of these names to those concerned with indexing and abstracting.

This revision includes all the names previously published in B.S. 1831, Parts 1 and 2, together with other names more recently adopted. They are arranged in alphabetical order, and instead of grouping the compounds in classes according to their application, the class is now given in a separate column for ease of reference. A further column gives other non-proprietary names which commonly occur in the literature, for clarification.

RECOMMENDATIONS

SCOPE

1. This British Standard list of recommended common names applies to the established pest control chemicals specified in the Tables.

STYLE

2. The recommended common names should be written or printed without capital letters, e.g. heptachlor, parathion. In the exceptional cases where the names are formed from initials, they should be written in capitals without intervening full stops, e.g. DDT.

PURITY

3. The common name should apply to the 100 per cent chemical or active ingredient, except where otherwise specified, e.g. toxaphene.

PRINCIPLES

4. The guiding principles below have been followed in the preparation of this British Standard.

a. No compound should be given a common name until the Institution is satisfied that it is likely to be manufactured and/or used in reasonable quantities.

b. No compound should be given a common name if its chemical name is reasonably short and distinctive, e.g. metaldehyde.

c. Common names already officially adopted in other countries should receive preferential consideration.

d. Common names should be :—

- (i) short (preferably not more than 3 syllables),
- (ii) distinctive in sound and spelling.
- (iii) if possible, derived from a combination of syllables from the scientific chemical name.

e. Common names should *not* :—

(i) be liable to confusion with common or trade names already in use,

(ii) be difficult to pronounce or remember,

(iii) be composed of initials and should not include numerals, except where extensive use has already established such names,

(iv) contain syllables of misleading chemical significance.

f. Consideration should be given, wherever possible, to developing new short names for large radicals so as to reduce long chemical names to comparatively simple ones.

g. Where one of the listed compounds is used as a salt or an ester, e.g. the sodium salt of dinex or the ethylamine salt of DNC, the recommended common name should be followed by a hyphen and the name of the combining substance, e.g. dinex-sodium, DNC-ethylamine.

h. A proprietary name may be taken over as a common name provided that there are no trade mark rights reserved.

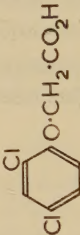
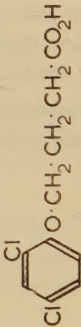
TABLES

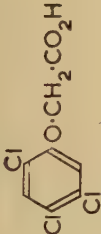
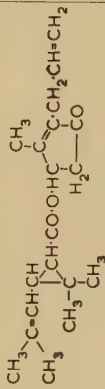
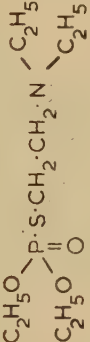
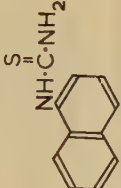
CLASS 1. INSECTICIDES OR ACARICIDES.

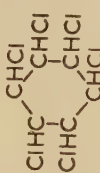
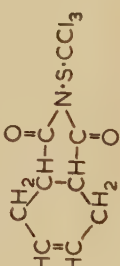
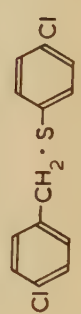
CLASS 2. FUNGICIDES.

CLASS 3. HERBICIDES.

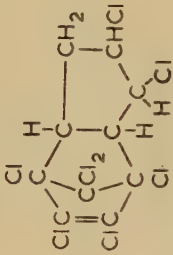
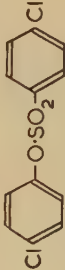
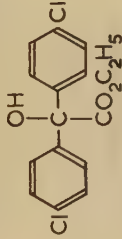
CLASS 4. RODENTICIDES.

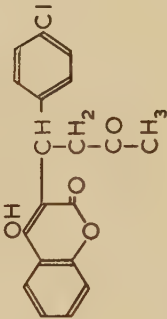
Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
2,4-D	2:4-dichlorophenoxyacetic acid	 <chem>Clc1cc(Cl)ccc1OCC(=O)O</chem>	it should be stated which salt or ester is present	—	3
2,4-DB	γ -(2:4-dichlorophenoxy)butyric acid	 <chem>Clc1cc(Cl)ccc1OCCCC(=O)O</chem>	it should be stated which salt or ester is present	—	3

Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
2,4,5-T	2:4:5-trichlorophenoxyacetic acid		it should be stated which salt or ester is present	—	3
aldrin	A product containing 95 per cent of HHDN (q.v.)	—	—	—	1
allethrin	(±)-3-allyl-2-methyl-4-oxocyclopent-2-enyl (±)-(cis- + trans-)chrysanthemum-monocarboxylate <i>DL</i> -2-allyl-4-hydroxy-3-methylcyclopent-2-en-1-one, esterified with a mixture of <i>cis</i> - and <i>trans</i> - <i>DL</i> -chrysanthemum monocarboxylic acid		—	—	1
amiton	diethyl <i>S</i> -2-diethylaminoethyl phosphorothiolate		—	—	1
antu	α -naphthylthiourea α -naphthylthiocarbamide l-naphthylthiourea		—	—	4

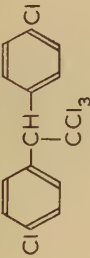

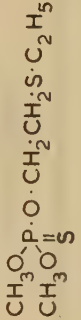
Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
BHC	mixed isomers of : 1:2:3:4:5:6-hexachlorocyclohexane benzene hexachloride		the percentage of <i>gamma</i> -BHC should be stated	HCH	1
<i>gamma</i> -BHC	<i>gamma</i> -isomer of BHC		—	lindane*	1
captan	<i>N</i> -trichloromethylthiocyclohex-4-ene-1:2-dicarboxyimide <i>N</i> -trichloromethylthio-4-cyclohexene-1:2-dicarboxyimide <i>N</i> -trichloromethylthiotetrahydrophthalimide		—	—	2
chlorbenside	<i>p</i> -chlorobenzyl <i>p</i> -chlorophenyl sulphide		—	—	1

* Lindane denotes a product of specified purity (minimum 99 per cent *gamma*-BHC).

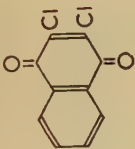
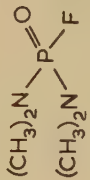
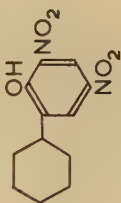
Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
chlordan	1:2,4:5:6:7:10:10-octachloro-4:7:8:9-tetrahydro-4:7- <i>endomethylene</i> indane 1:2,4:5:6:7:8:8-octachloro-3 <i>a</i> :4:7:7 <i>a</i> -tetrahydro-4:7-methanoindane 1,2,4,5,6,7,8,8-octachloro-2,3,3 <i>a</i> ,4,7,7 <i>a</i> -hexahydro-4,7-methanoindene		—	—	1
chlorfenson	<i>p</i> -chlorophenyl <i>p</i> -chlorobenzenesulphonate		—	CPCBS ovex	1
chloro-benzilate	ethyl <i>pp'</i> -dichlorobenzilate		—	—	1

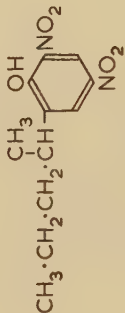
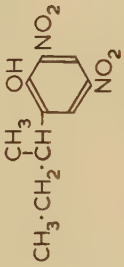
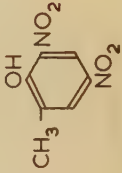
Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
coumachlor	3-(α -acetyl- <i>p</i> -chlorobenzyl)-4-hydroxycoumarin		—	—	4
dalapon	$\alpha\alpha$ -dichloropropionic acid	$\text{CH}_3 \cdot \text{CCl}_2 \cdot \text{CO}_2\text{H}$	—	—	3
DDT	technical dichlorodiphenyltrichloroethane, a complex chemical mixture, in which <i>pp'</i> -DDT predominates		the percentage of <i>pp'</i> -DDT should be stated	dicophane*	1

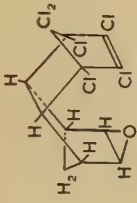
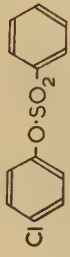

* Dicophane is an approved name of the British Pharmacopoeia Commission.

Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
<i>pp'</i> -DDT	1:1:1-trichloro-2:2-di-(<i>p</i> -chlorophenyl)ethane		—	—	1
demeton	a mixture of demeton-O and demeton-S (q.v.)	—	—	—	1
demeton-methyl	a mixture of demeton-O-methyl and demeton-S-methyl (q.v.)	—	—	—	1
demeton-O	diethyl 2-ethylthioethyl phosphorothionate <i>OO</i> -diethyl <i>O</i> -ethylmercaptoethyl thiophosphate (or thionophosphate)		—	—	1
demeton-O-methyl	2-ethylthioethyl dimethyl phosphorothionate <i>OO</i> -dimethyl <i>O</i> -ethylmercaptoethyl thiophosphate (or thionophosphate)		—	—	1

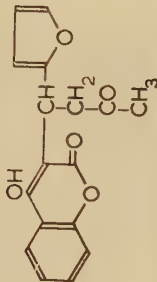

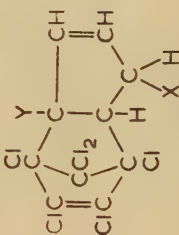
Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
demeton-S	diethyl <i>S</i> -(2-ethylthioethyl) phosphorothiolate <i>OO</i> -diethyl <i>S</i> -ethylmercaptoethyl thiophosphate (or thionophosphate)	$ \begin{array}{c} \text{C}_2\text{H}_5\text{O} \quad \text{C}_2\text{H}_5 \\ \diagdown \quad \diagup \\ \text{P} \cdot \text{S} \cdot \text{CH}_2 \cdot \text{CH}_2 \cdot \text{S} \cdot \text{C}_2\text{H}_5 \\ \parallel \\ \text{O} \end{array} $	—	—	1
demeton-S-methyl	<i>S</i> -2-ethylthioethyl dimethyl phosphorothiolate <i>OO</i> -dimethyl <i>S</i> -ethylmercaptoethyl thiophosphate (or thionophosphate)	$ \begin{array}{c} \text{CH}_3\text{O} \quad \text{CH}_3 \\ \diagdown \quad \diagup \\ \text{P} \cdot \text{S} \cdot \text{CH}_2 \cdot \text{CH}_2 \cdot \text{S} \cdot \text{C}_2\text{H}_5 \\ \parallel \\ \text{O} \end{array} $	—	—	1
diazinon	diethyl 6-methyl-2- <i>isopropyl</i> -4-pyrimidinyl phosphorothionate	$ \begin{array}{c} \text{CH}_3 \\ \\ \text{C} \\ // \quad \backslash \\ \text{HC} \quad \text{N} \\ \quad \quad \\ \text{HC} \quad \text{C} \\ // \quad \backslash \\ \text{P} \cdot \text{O} \cdot \text{C} \quad \text{N} \\ \parallel \quad \quad \\ \text{O} \quad \quad \text{S} \\ \diagdown \quad \diagup \\ \text{C}_2\text{H}_5\text{O} \quad \text{C}_2\text{H}_5\text{O} \end{array} $	—	—	1

Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
dichlone	2:3-dichloro-1:4-naphthaquinone		—	—	2
dieldrin	a product containing 85 per cent of HEOD (q.v.)	—	—	—	1
dimefox	<i>NNN'</i> -tetramethylphosphorodiamidic fluoride bis(dimethylamino)fluorophosphine oxide		—	BFPO DIFO	1
dinex	2-cyclohexyl-4:6-dinitrophenol 2,4-dinitro-6-cyclohexylphenol		it should be stated which salt is present	DNQCHP	1,3

Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
dinosam	2-(1-methyl- <i>n</i> -butyl)-4;6-dinitrophenol 2- <i>sec</i> .-amyl-4;6-dinitrophenol 2;4-dinitro-6- <i>sec</i> .-amylphenol	$\text{CH}_3 \cdot \text{CH}_2 \cdot \text{CH}_2 \cdot \text{CH} \begin{array}{c} \text{CH}_3 \\ \end{array} \begin{array}{c} \text{OH} \\ \end{array} \text{C}_6\text{H}_3\text{NO}_2$ 	it should be stated which salt is present	DNAP DNSAP DNOSAP	1,3
dinoseb	2-(1-methyl- <i>n</i> -propyl)-4;6-dinitrophenol 2- <i>sec</i> .-butyl-4;6-dinitrophenol 2;4-dinitro-6- <i>sec</i> .-butylphenol	$\text{CH}_3 \cdot \text{CH}_2 \cdot \text{CH} \begin{array}{c} \text{CH}_3 \\ \end{array} \begin{array}{c} \text{OH} \\ \end{array} \text{C}_6\text{H}_3\text{NO}_2$ 	it should be stated which salt is present	DNBP DNSBP DNOSBP	1,3
DNC	2-methyl-4;6-dinitrophenol 2;4-dinitro-6-methylphenol 2;4-dinitro- <i>o</i> -cresol 3;5-dinitro- <i>o</i> -cresol	$\text{CH}_3 \text{---} \text{C}_6\text{H}_3\text{NO}_2$ 	—	DNOC dinitro-cresol	1,3

Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
endrin	1:2:3:4:10:10-hexachloro-6:7-epoxy-1:4:4a:5:6:7:8:8a-octahydro- <i>exo</i> -1:4- <i>exo</i> -5:8-dimethanonaphthalene 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro- <i>endo</i> -1,4- <i>endo</i> -5,8-dimethanonaphthalene*		---	---	1
fenson	<i>p</i> -chlorophenyl benzenesulphonate		---	PCPBS CPBS	1
ferbam	ferric dimethyldithiocarbamate	$\left[(\text{CH}_3)_2\text{N}-\text{C}(\text{S})=\text{S} \right]_3 \text{Fe}$	---	---	2
fluorbenside	<i>p</i> -chlorobenzyl <i>p</i> -fluorophenyl sulphide		---	---	1

* This second name accords with the usage of the American Chemical Society.

Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
fumarin	3- α -acetylthiurfuryl-4-hydroxycoumarin		—	—	4
HEOD	1:2:3:4:10:10-hexachloro-6:7-epoxy-1:4:4a:5:6:7:8:8a-octahydro- <i>exo</i> -1:4- <i>endo</i> -5:8-dimethanonaphthalene 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro- <i>endo</i> -1,4- <i>exo</i> -5,8-dimethanonaphthalene*		—	—	1
heptachlor	1:4:5:6:7:10:10-heptachloro-4:7:8:9-tetrahydro-4:7- <i>endomethylene</i> indene or 4:5:6:7:9:10:10-heptachloro-4:7:8:9-tetrahydro-4:7- <i>endomethylene</i> indene 1 (3a):4:5:6:7:8:8-heptachloro-3a(1):4:7:7a-tetrahydro-4:7-methanoindene		—	—	1


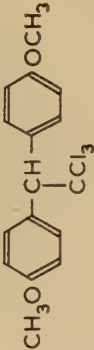
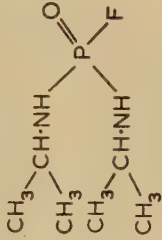
X = Cl, Y = H, or *vice versa*

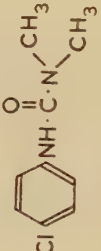
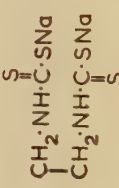
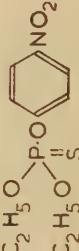
* This second name accords with the usage of the American Chemical Society.

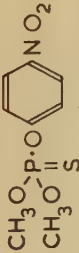
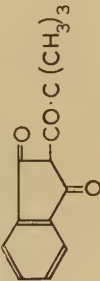

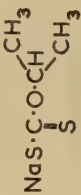
Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
HHDN	1:2:3:4:10:10-hexachloro-1:4:4a:5:8:8a-hexahydro- <i>exo</i> -1:4- <i>endo</i> -5:8-dimethanonaphthalene 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro- <i>endo</i> -1,4- <i>exo</i> -5,8-dimethanonaphthalene*		—	—	I
isodrin	1:2:3:4:10:10-hexachloro-1:4:4a:5:8:8a-hexahydro- <i>exo</i> -1:4- <i>exo</i> -5:8-dimethanonaphthalene 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro- <i>endo</i> -1,4- <i>endo</i> -5,8-dimethanonaphthalene*		—	—	I
malathion	<i>S</i> -1:2-di(ethoxycarbonyl)ethyl dimethyl phosphorothiolothionate <i>S</i> -[1,2-bis(ethoxycarbonyl)ethyl] 0,0-dimethyl phosphorodithioate* <i>O</i> , <i>O</i> -dimethyl <i>S</i> -(1,2-dicarboethoxyethyl) dithiophosphate		—	—	I

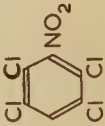
* This second name accords with the usage of the American Chemical Society.

Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
maneb	manganese ethylene-1,2-bisdithiocarbamate		—	—	2
mazidox	<i>NNN'</i> -tetramethylphosphorodiamidic azide bis(dimethylamino)azidophosphine oxide azidobis(dimethylamino)phosphine oxide		—	—	1
MCPA	4-chloro-2-methylphenoxyacetic acid 2-methyl-4-chlorophenoxyacetic acid		it should be stated which salt or ester is present	MCP 4K, 2M	3

Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
MCPB	γ -(4-chloro-2-methylphenoxy)butyric acid		it should be stated which salt or ester is present	—	3
methoxychlor	1:1:1-trichloro-2:2-di-(<i>p</i> -methoxyphenyl)ethane		—	methoxy-DDT DMDT dimethoxy-DT	1
mipafos	<i>NN'</i> -diisopropylphosphorodiamidic fluoride bis(monoisopropylamino)fluorophosphine oxide fluorobis(isopropylamino)phosphine oxide		—	—	1

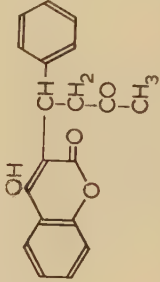
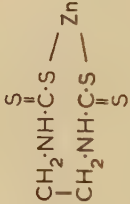
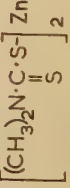
Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
monuron	<i>N-p</i> -chlorophenyl- <i>N,N'</i> -dimethylurea		—	CMU	3
nabam	disodium ethylene-1:2-bisdithiocarbamate		—	—	2
parathion	diethyl <i>p</i> -nitrophenyl phosphorothionate diethyl <i>p</i> -nitrophenyl thionophosphate <i>OO</i> -diethyl <i>O-p</i> -nitrophenyl thiophosphate		—	—	1

Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
parathion-methyl	dimethyl <i>p</i> -nitrophenyl phosphorothionate dimethyl <i>p</i> -nitrophenyl thionophosphate <i>OO</i> -dimethyl <i>O</i> - <i>p</i> -nitrophenyl thiophosphate		—	—	1
pindone	2-pivaloylindane-1:3-dione		—	—	4
propham	isopropyl <i>N</i> -phenylcarbamate		—	IPC IPPC	3
proxan-sodium	sodium isopropyl xanthate		—	—	3

Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
schradan	bis- <i>NN'N'</i> -tetramethylphosphorodiamidic anhydride bis(dimethylamino)phosphonous anhydride octamethylpyrophosphoramidate tetraakisdimethylaminophosphonous anhydride	$ \begin{array}{c} \text{(CH}_3\text{)}_2\text{N} \quad \text{N(CH}_3\text{)}_2 \\ \diagdown \quad \diagup \\ \text{P} - \text{O} - \text{P} \\ \parallel \quad \parallel \\ \text{O} \quad \text{O} \\ \text{(CH}_3\text{)}_2\text{N} \quad \text{N(CH}_3\text{)}_2 \end{array} $	—	—	1
sulfotep	bis- <i>OO</i> -diethylphosphorothionic anhydride tetraethyl dithiopyrophosphate	$ \begin{array}{c} \text{C}_2\text{H}_5\text{O} \quad \text{OC}_2\text{H}_5 \\ \diagdown \quad \diagup \\ \text{P} - \text{O} - \text{P} \\ \parallel \quad \parallel \\ \text{S} \quad \text{S} \\ \text{C}_2\text{H}_5\text{O} \quad \text{OC}_2\text{H}_5 \end{array} $	—	dithio thiotep dithioTEPP	1
tecnazene	1:2:4:5-tetrachloro-3-nitrobenzene 2:3:5:6-tetrachloronitrobenzene		—	TCNB	2

Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
TEPP	bis- <i>OO</i> -diethylphosphoric anhydride tetraethyl pyrophosphate	$ \begin{array}{c} \text{C}_2\text{H}_5\text{O} \quad \text{O} \quad \text{C}_2\text{H}_5 \\ \diagdown \quad \diagup \quad \diagdown \quad \diagup \\ \text{P} - \text{O} - \text{P} \\ \diagup \quad \diagdown \quad \diagup \quad \diagdown \\ \text{C}_2\text{H}_5\text{O} \quad \text{O} \quad \text{C}_2\text{H}_5 \end{array} $	—	ethylpyro- phosphate*	1
thiram	bis(dimethylthiocarbamoyl) disulphide tetramethylthiuram disulphide	$ \begin{array}{c} \text{S} \quad \text{S} \\ \parallel \quad \parallel \\ (\text{CH}_3)_2\text{N} \cdot \text{C} \cdot \text{S} \quad \quad (\text{CH}_3)_2\text{N} \cdot \text{C} \cdot \text{S} \\ \parallel \quad \parallel \\ \text{S} \quad \text{S} \end{array} $	—	TMT TMTD	2
toxaphene	chlorinated camphene (67-69 per cent chlorine)	—	—	—	1

* Ethylpyrophosphate is an approved name of the British Pharmacopœia Commission.

Recommended common name	Chemical name	Chemical formula	Remarks	Other names	Class
warfarin	3- α -acetylbenzyl-4-hydroxycoumarin 3-(α -phenyl- β -acetyl-ethyl)-4-hydroxycoumarin		—	—	4
zineb	zinc ethylene-1,2-bisdithiocarbamate		—	—	2
ziram	zinc dimethyldithiocarbamate		—	—	2

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BRITISH STANDARDS INSTITUTION

The British Standards Institution was founded in 1901 and incorporated by Royal Charter in 1929.

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